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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

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APR 1 2 38 PM '93

AUDIO SERVICES DIVISION

March 31, 1993

ORIGINAL

Ms. Donna R. Searcy, Secretary
Federal Communications Commission
Washington, D.C. 20554

Re: Janice M. Scantland
Richwood, Ohio
File No. BPH-920113MC

Dear Ms. Searcy:

Transmitted herewith, in triplicate, on behalf of Janice M. Scantland, applicant for a construction permit for a new FM broadcast station at Richwood, Ohio, is an amendment to the above-referenced application. Filed concurrently herewith is a petition for leave to amend addressed to the Chief, Mass Media Bureau.

Should any question arise concerning this matter, please communicate directly with this office.

Very truly yours,

Andrew Kersting

ANDREW S. KERSTING
Counsel for
JANICE M. SCANTLAND

Enclosure

ASK/prm

FM EXAMINERS

APR 2 8 17 AM '93

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BEFORE THE

Federal Communications Commission 38 PM '93

WASHINGTON, D. C. 20554

In Re Application of	)	
	)	
JANICE M. SCANTLAND	)	File No. BPH-920113MC
Richwood, Ohio	)	
	)	
For a Construction Permit	)	

AMENDMENT TO APPLICATION

Janice M. Scantland hereby amends the above-styled application in the following respects:

1. Substitute the attached Section V-B for the relative section presently on file.

2. Substitute the attached Engineering Statement for the statement presently on file.

Dated this 23 day of March, 1993.

Janice M. Scantland

ORIGINAL

SECTION V-B - FM BROADCAST ENGINEERING DATA	FOR COMMISSION USE ONLY File No. _____ ASB Referral Date _____ Referred by _____

Name of Applicant

Janice M. Scantland

Call letters (if issued)

Is this application being filed in response to a window? ☐ Yes ☒ No

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates? ☐ Yes ☒ No
If Yes, list old coordinates.

Latitude ° ' "	Longitude ° ' "

5. Has the FAA been notified of the proposed construction? * ☒ Yes ☐ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No. N/A

Date Feb 22, 1993 Office where filed Great Lakes Region

* Amended March 1993

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)		None Within 8 km	
(b)			

7. (a) Elevation: (to the nearest meter)

(1) of site above mean sea level: 286 meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 104 meters

(3) of the top of supporting structure above mean sea level [(a)(1) + (a)(2)] 390 meters

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 3)

10. Is a directional antenna proposed? ☐ Yes ☒ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of the relative field. Exhibit No. N/A

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 73.315(a) and (b)? ☒ Yes ☐ No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service. Exhibit No. N/A

12. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal? ☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125. Exhibit No. N/A

13. (a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 73.207? ☒ Yes ☐ No

(b) If the answer to (a) is No, does 47 C.F.R. Section 73.213 apply? ☐ Yes ☐ No

(c) If the answer to (b) is Yes, attach as an Exhibit a justification, including a summary of previous waivers. Exhibit No. N/A

(d) If the answer to (a) is No and the answer to (b) is No, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose. Exhibit No. N/A

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following: Exhibit No. N/A

(1) Protected and interfering contours, in all directions (360°), for the proposed operation.

(2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as the transmitter location.

(3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.

(4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.

(5) The official title(s) of the map(s) used in the exhibit(s).

14. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast (except citizens band or amateur) radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference? ☐ Yes ☒ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(e) and 73.318.) Exhibit No. See Eng.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 4)

15. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V (D). The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No. 2

16. Attach as an Exhibit (name the source) a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. 3

Source: USGS 1:250,000 Topographic Map

(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;

(b) the 3.16 mV/m and 1 mV/m predicted contours; and

(c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 1,690 sq. km. Population 68,795

18. For an application involving an auxiliary facility only, attach as an Exhibit a map (Sectional Aeronautical Chart or equivalent) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. N/A

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.

19. Terrain and coverage data (to be calculated in accordance with 47 C.F.R. Section 73.313)

Source of terrain data: (check only one box below)

[X] Linearly interpolated 30-second database [ ] 7.5 minute topographic map

(Source: NGDC 30 Second TPG-0050)

[ ] Other (briefly summarize)

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
*	107.5	13.3	24.0
0	109.0	13.4	24.2
45	109.0	13.4	24.2
90	109.0	13.4	24.2
135	109.0	13.4	24.2
180	93.6	12.5	22.5
225	85.4	12.0	21.5
270	85.2	11.9	21.5
315	96.7	12.7	22.9

* Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT. 340

20. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? ☐ Yes ☒ No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No. N/A

If No, explain briefly why not.

See Engineering Statement

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed)	Relationship to Applicant (e.g., Consulting Engineer)
Robert M. Silliman	Consulting Engineer
Signature: Robert M. Silliman	Address (Include ZIP Code): 8601 Georgia Avenue, Suite 910 Silver Spring, MD 20910
Date: 03/16/1993	Telephone No. (Include Area Code): (301) 589-8288

SILLIMAN AND SILLIMAN

8601 GEORGIA AVENUE CONSULTING ENGINEERS SILVER SPRING, MD 20910

20RICH11.T

Janice M. Scantland
Richwood, Ohio

ENGINEERING STATEMENT

Robert M. Silliman is a Registered Professional Engineer in the State of Maryland and the Commonwealth of Virginia. He has been retained by Janice M. Scantland to prepare the engineering portion of FCC Form 301 to amend her application for a new radio station on Channel 282A at Richwood, Ohio.

ABSTRACT

This application is necessitated by the fact that the FAA has expressed serious concern over the present site and has expressed serious doubts that the agency can approve an acceptable tower at the present site.

FURTHER RESPONSE TO FCC FORM 301

Paragraph 13(a)

The proposal meets all the requirements of Section 73.207 for a Class A station. A separation study is attached as Appendix I of this statement.

Paragraph 14

To answer this question, the FCC databank was queried for AM, FM and TV stations within 10 km. The only AM, FM or TV station within 10 km is Class A FM station WWHT, Marysville, Ohio at a distance of 8.7 km.

The closest FCC monitoring station is over 300 km distant.

The writer sees no possibility of any problems as a result of the proximity of other stations or monitoring facilities. Should any result, the applicant will take care of eliminating the problem.

Paragraph 20

The proposal is for 2.5 kW. The antenna will be of the "Best" case as contained in OST Bulletin No. 65, Table 1 on page 37 of this document. The radiation center will be 97 meters above ground. It is seen from the above table that with a 4 bay antenna even if it were a "worst" case antenna and 10 kilowatts of power, the required height of the radiation center would only be 18.3 meters to meet the 1000 microwatt per Sq. Cm. Guideline value.

SILLIMAN AND SILLIMAN

8601 GEORGIA AVENUE CONSULTING ENGINEERS SILVER SPRING, MD 20910

Janice M. Scantland
Richwood, Ohio

FURTHER RESPONSE TO FCC FORM 301 (CONT'D)

Interpolating from the table, the expected EMR with 2.5 kW even if "worst" case would be as follows:

$$EMR = 2.5/10 \times (18,3/97)^2 \times 1000 = 8.9 \text{ microwatts per Sq. Cm.}$$

This is only 1 percent of guideline.

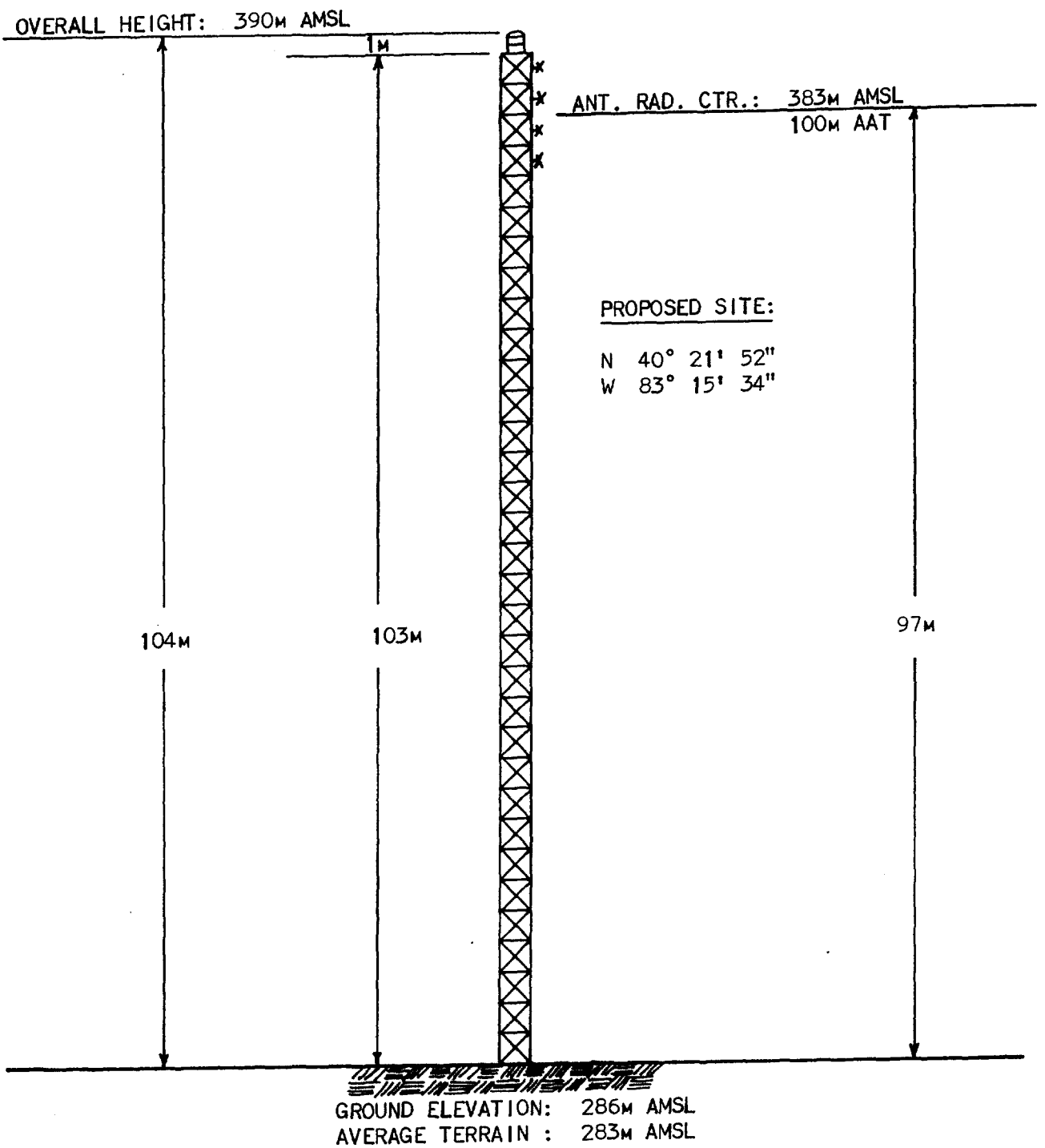
Hence, there will be no problem of excessive radiofrequency radiation in the vicinity of the tower.

The tower will be fenced and the applicant will not permit the tower to be climbed while the antenna is being excited.

The proposed site is not located in a restricted area and its proposed operation will be in compliance with the RF protection guidelines for humans in the vicinity of the tower. Hence, by definition in Section 1.1306 of the FCC Rules, this proposal is deemed to have no significant effect on the quality of the human environment and is categorically excluded from environmental processing.

By Robert M. Silliman

March 16, 1993



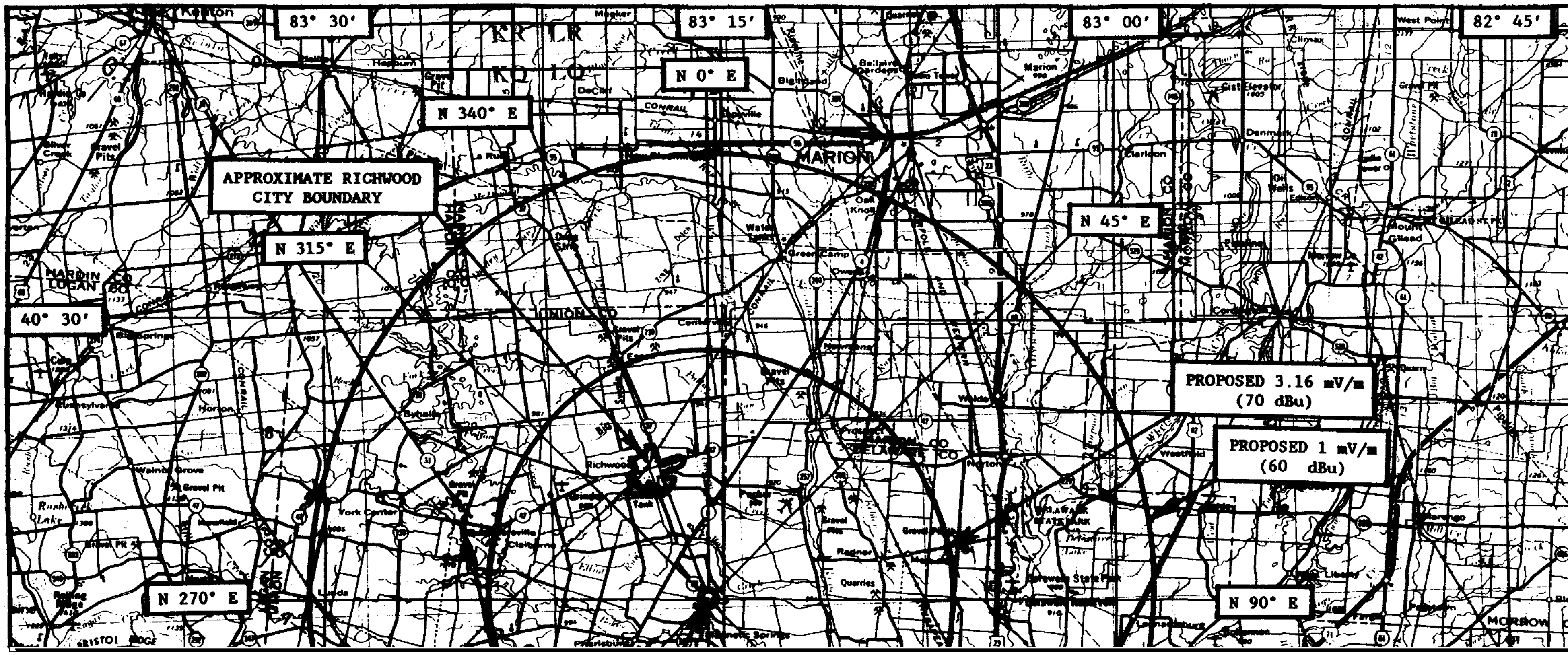
NOT DRAWN TO SCALE

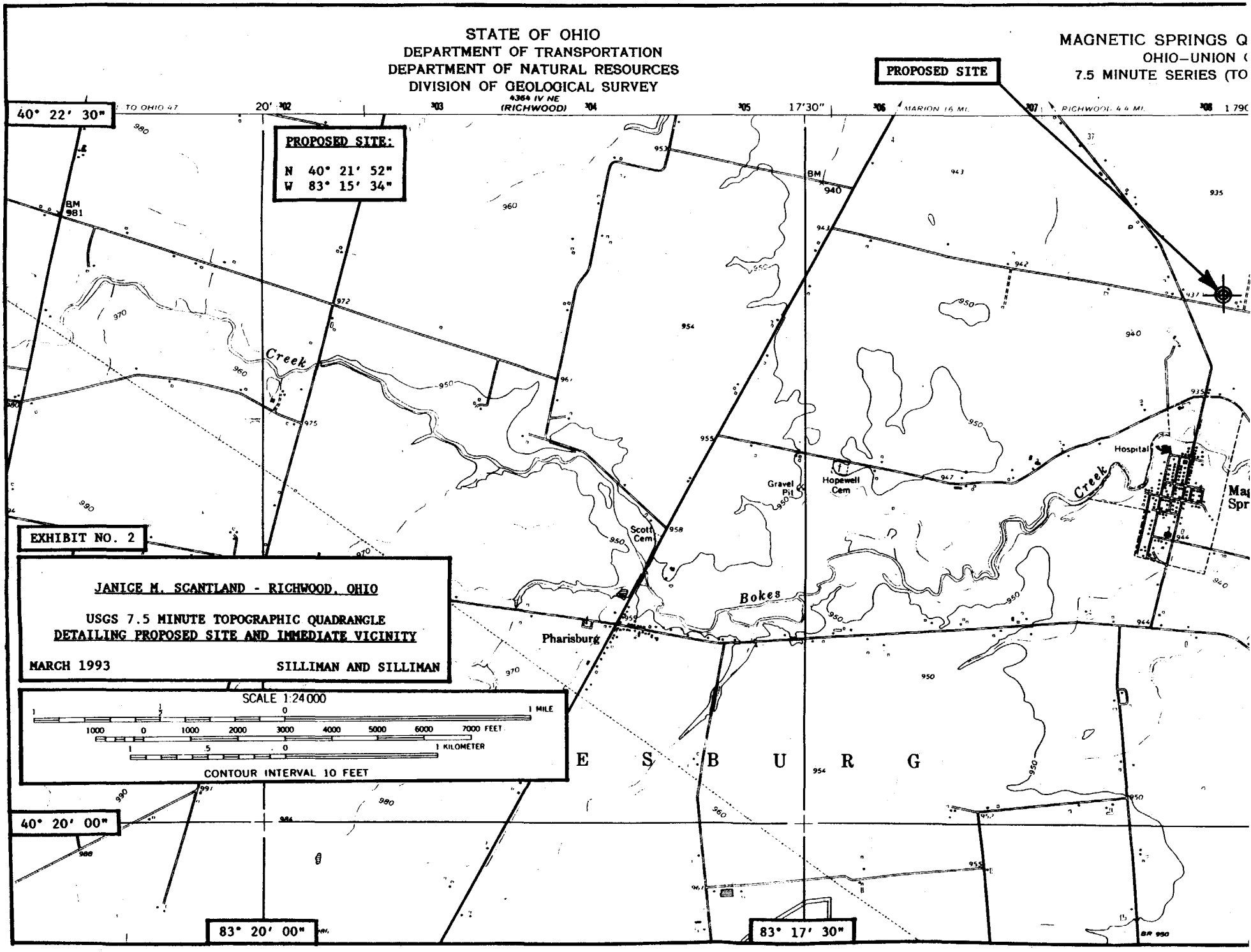
EXHIBIT NO. 1

JANICE M. SCANTLAND - RICHWOOD, OHIO

VERTICAL PLAN SKETCH OF PROPOSED ANTENNA SYSTEM

MARCH 1993 SILLIMAN AND SILLIMAN


83° 30′
83° 15′
83° 00′
82° 45′
N 0° E
N 340° E
APPROXIMATE RICHWOOD CITY BOUNDARY
N 315° E
N 45° E
40° 30′
PROPOSED 3.16 mV/m (70 dBu)
PROPOSED 1 mV/m (60 dBu)
N 270° E
N 90° E
MARION
Richwood


STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL SURVEY
4364 IV NE
(RICHWOOD)
MAGNETIC SPRINGS Q
OHIO–UNION
7.5 MINUTE SERIES (TO
PROPOSED SITE
40° 22′ 30"
20′
17′30"
PROPOSED SITE:
N 40° 21′ 52"
W 83° 15′ 34"
BM 981
BM 940
Creek
Gravel Pit
Hopewell Cem
Scott Cem
Hospital
Bokes
Pharisburg
EXHIBIT NO. 2
JANICE M. SCANTLAND - RICHWOOD, OHIO
USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE
DETAILING PROPOSED SITE AND IMMEDIATE VICINITY
MARCH 1993
SILLIMAN AND SILLIMAN
SCALE 1:24000
1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER
CONTOUR INTERVAL 10 FEET
40° 20′ 00"
83° 20′ 00"
83° 17′ 30"

The search will be for channel 282
Search will be for Class A
Coordinates for search are 40 21 52 83 15 34
Requested tolerance is 20.0 kilometers

SILLIMAN AND SILLIMAN FM ANALYSIS

Call	Auth	Licensee name	Channel	ERP	HAAT	Lat.	Dist	Br-to	
City	State	File Number	Fr.	Kw	HAMS	Long.	Req.	Clear	
WTTFFM	LIC	WTTF, Inc.	279B	50.	131	41 8 20	86.01	0.8	
Tiffin	OH	BLH850715KW	103.7		364	83 14 45	69.0	17.0	
NEW	APP	Westerville Broadcasting Compa	280A	6.0	100	40 11 33	47.20	113.8	
Westerville	OH	BPH911231MB	103.9		430	82 45 7	31.0	16.2	
1Proposed to Canada as B1 on 900416-Accepted by Canada 910305									
NEW	APP	David A. Ringer	280A	4.3	118	40 14 4	38.56	111.9	
Westerville	OH	BPH911230MA	103.9		430	82 50 20	31.0	7.6	DA
1Proposed to Canada as B1 on 900416-Accepted by Canada 910305									
NEW	APP	ASF Broadcasting Corporation	280A	5.	109	40 14 4	38.56	111.9	
Westerville	OH	BPH911230MB	103.9		421	82 50 20	31.0	7.6	DA

	VACANT			282A			40	25	36	7.72	333.6
Richwood	OH			104.3			83	18	0	115.0	-107.3

1Effective 12-13-91

WQKT	LIC	WWST Corporation		283B	52.	101	40	47	31	124.14	67.0
Wooster		OH	BLH790215AH	104.5		431	81	54	17	113.0	11.1

1GRANDFATHERED AT 52KW @ 101M HAAT.

WCVO	LIC	Christian Voice of Central Ohi		285A	3.00	91	40	4	16	50.26	130.4
Gahanna		OH	BLH5618	104.9		395	82	48	35	31.0	19.3

1Class B1 with respect to Canada-Accepted by canada on 901108

ENGINEERING REPORT

SILLIMAN AND SILLIMAN

8601 GEORGIA AVENUE CONSULTING ENGINEERS SILVER SPRING, MD 20910

Janice M. Scantland
Richwood, Ohio

A F F I D A V I T

MONTGOMERY COUNTY)
) SS:
STATE OF MARYLAND)

ROBERT M. SILLIMAN, being duly sworn upon oath deposes and says:

That his qualifications are a matter of record with the Federal Communications Commission;

That he is a registered professional engineer in Maryland and the Commonwealth of Virginia and is a partner in the firm of Silliman and Silliman;